

# Guardrail Projects -- No. 508113

Category  
Agency  
Planning Area  
Relocation Impact

Transportation  
Public Works & Transportation  
Countywide  
None

Date Last Modified  
Required Adequate Public Facility

January 5, 2006  
NO

## EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY05	Est. FY06	Total 6 Years	FY07	FY08	FY09	FY10	FY11	FY12	Beyond 6 Years
Planning, Design and Supervision	315	0	15	300	50	50	50	50	50	50	0
Land											
Site Improvements and Utilities	1,386	0	756	630	105	105	105	105	105	105	0
Construction	24	0	24	0	0	0	0	0	0	0	0
Other											
Total	1,725	0	795	930	155	155	155	155	155	155	*

## FUNDING SCHEDULE (\$000)

G.O. Bonds	1,725	0	795	930	155	155	155	155	155	155	0
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## ANNUAL OPERATING BUDGET IMPACT (\$000)

### DESCRIPTION

This project provides for studies of guardrail needs along County-maintained roadways, the subsequent installation of guardrails where none exist, repair and/or replacement of damaged guardrails, or, where warranted, upgrading guardrails to meet Maryland State Highway Administration (MSHA) standards.

### Service Area

Countywide.

### JUSTIFICATION

Guardrails reduce the severity of run-off-the-road accidents, prevent collisions with fixed objects or prevent embankments. Damaged or missing guardrails present a hazard to motorists, cyclists, and pedestrians. Guardrails have a finite service life and must be replaced at the end of this service life or when damaged in order to continue to provide safety benefits for motorists. Formal guidelines for determining needs have been developed to determine the potential benefit.

### Plans and Studies

The existing tapered and buried guardrail end treatments provide a ramp for errant vehicles and do not meet current Maryland State Highway Administration (MSHA) standards. A study was completed to identify these substandard end treatments and to replace them to meet modern crash attenuation standards. The March 2005, "Report of the Infrastructure Maintenance Task Force," identified the need for guardrail lifecycle replacement. Pedestrian safety is considered during design of this project.

### Cost Change

Increase due to the addition of FY11-12 to this ongoing project.

### STATUS

Ongoing. \* Expenditures for this project will continue indefinitely.

### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY81	(\$000)
Initial Cost Estimate		935
First Cost Estimate		
Current Scope	FY07	1,725
Last FY's Cost Estimate		1,553
Present Cost Estimate		1,725

Appropriation Request	FY07	155
Appropriation Request Est.	FY08	155
Supplemental		
Appropriation Request	FY06	0
Transfer		0

Cumulative Appropriation		795
Expenditures/		
Encumbrances		259
Unencumbered Balance		536

Partial Closeout Thru	FY04	2,273
New Partial Closeout	FY05	138
Total Partial Closeout		2,411

### COORDINATION

Federal Highway Administration  
Maryland State Highway Administration  
Montgomery County Public Schools

### MAP

